1627

RAW SEQUENCE LISTING DATE: 05/29/2002
PATENT APPLICATION: US/09/636,243A TIME: 17:48:37

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\05292002\I636243A.raw

ENTERED

```
 3 <110> APPLICANT: WANG, Bryan S.
 4       PABO, Carl O.
 6 <120> TITLE OF INVENTION: DIMERIZING PEPTIDES
 8 <130> FILE REFERENCE: 8325-1004 / M4-US1
10 <140> CURRENT APPLICATION NUMBER: 09/636,243A
11 <141> CURRENT FILING DATE: 2000-08-10
13 <150> PRIOR APPLICATION NUMBER: 60/148,422
14 <151> PRIOR FILING DATE: 1999-08-11
16 <160> NUMBER OF SEQ ID NOS: 83
18 <170> SOFTWARE: PatentIn Ver. 2.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 25
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence: exemplary
27       motif characterizing C2H2 class proteins
29 <220> FEATURE:
30 <221> NAME/KEY: SITE
31 <222> LOCATION: (2)..(5)
32 <223> OTHER INFORMATION: where Xaa is any amino acid
34 <220> FEATURE:
35 <221> NAME/KEY: SITE
36 <222> LOCATION: (4)..(5)
37 <223> OTHER INFORMATION: where Xaa may be present or absent
39 <220> FEATURE:
40 <221> NAME/KEY: SITE
41 <222> LOCATION: (7)..(18)
42 <223> OTHER INFORMATION: where Xaa is any amino acid
44 <220> FEATURE:
45 <221> NAME/KEY: SITE
46 <222> LOCATION: (20)..(24)
47 <223> OTHER INFORMATION: where Xaa is any amino acid
49 <220> FEATURE:
50 <221> NAME/KEY: SITE
51 <222> LOCATION: (23)..(24)
52 <223> OTHER INFORMATION: where Xaa may be present or absent
54 <400> SEQUENCE: 1
W--> 55 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
56   1               5                  10                  15
W--> 58 Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
59              20                  25
62 <210> SEQ ID NO: 2
```

RAW SEQUENCE LISTING DATE: 05/29/2002
PATENT APPLICATION: US/09/636,243A TIME: 17:48:3

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\05292002\I636243A.raw

<211> LENGTH: 4
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: D-able subsite
<400> SEQUENCE: 2
Asn Asn Gly Lys
1

<210> SEQ ID NO: 3
<211> LENGTH: 9
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: zinc finger protein bind sequence
<400> SEQUENCE: 3
ggcgtagac 9

<210> SEQ ID NO: 4
<211> LENGTH: 9
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: zinc finger protein bind sequence
<400> SEQUENCE: 4
ggcgacgta 9

<210> SEQ ID NO: 5
<211> LENGTH: 5
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
<400> SEQUENCE: 5
Thr Gly Glu Lys Pro
1 5

<210> SEQ ID NO: 6
<211> LENGTH: 5
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: linker
<400> SEQUENCE: 6
Gly Gly Gly Gly Ser
1 5

<210> SEQ ID NO: 7
<211> LENGTH: 8
<212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 05/29/2002
PATENT APPLICATION: US/09/636,243A TIME: 17:48:37

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\05292002\I636243A.raw

```
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
135 <400> SEQUENCE: 7
136 Gly Gly Arg Arg Gly Gly Gly Ser
137   1               5
140 <210> SEQ ID NO: 8
141 <211> LENGTH: 9
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
148 <400> SEQUENCE: 8
149 Leu Arg Gln Arg Asp Gly Glu Arg Pro
150   1               5
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 12
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
161 <400> SEQUENCE: 9
162 Leu Arg Gln Lys Asp Gly Gly Gly Ser Glu Arg Pro
163   1               5                   10
166 <210> SEQ ID NO: 10
167 <211> LENGTH: 16
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
174 <400> SEQUENCE: 10
175 Leu Arg Gln Lys Asp Gly Gly Gly Ser Gly Gly Gly Ser Glu Arg Pro
176   1               5                   10                  15
179 <210> SEQ ID NO: 11
180 <211> LENGTH: 25
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: component
186       finger of zinc finger protein
188 <220> FEATURE:
189 <221> NAME/KEY: SITE
190 <222> LOCATION: (2)..(5)
191 <223> OTHER INFORMATION: where Xaa is any amino acid
193 <220> FEATURE:
194 <221> NAME/KEY: SITE
195 <222> LOCATION: (4)..(5)
196 <223> OTHER INFORMATION: where Xaa may be present or absent
198 <220> FEATURE:
```

RAW SEQUENCE LISTING DATE: 05/29/2002
PATENT APPLICATION: US/09/636,243A TIME: 17:48:37

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\05292002\I636243A.raw

<220> FEATURE:
<221> NAME/KEY: SITE
<222> LOCATION: (7)..(18)
<223> OTHER INFORMATION: where Xaa is any amino acid
<220> FEATURE:
<221> NAME/KEY: SITE
<222> LOCATION: (20)..(24)
<223> OTHER INFORMATION: where Xaa is any amino acid
<220> FEATURE:
<221> NAME/KEY: SITE
<222> LOCATION: (23)..(24)
<223> OTHER INFORMATION: where Xaa may be present or absent
<400> SEQUENCE: 11
W--> **Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa**
1 5 10 15
W--> **Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His**
20 25
<210> SEQ ID NO: 12
<211> LENGTH: 30
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding domain F1
<400> SEQUENCE: 12
Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser Asp
1 5 10 15
Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro
20 25 30
<210> SEQ ID NO: 13
<211> LENGTH: 28
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding domain F2
<400> SEQUENCE: 13
Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu
1 5 10 15
Thr Thr His Ile Arg Thr His Thr Gly Glu Lys Pro
20 25
<210> SEQ ID NO: 14
<211> LENGTH: 38
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding site
<400> SEQUENCE: 14
ggttgcagtg ggcgcgccca cagtacttga acgtaacg 38

RAW SEQUENCE LISTING DATE: 05/29/2002
PATENT APPLICATION: US/09/636,243A TIME: 17:48:37

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\05292002\I636243A.raw

<210> SEQ ID NO: 15
<211> LENGTH: 34
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding site
<400> SEQUENCE: 15
cgttacgttc aagtactgtg ggcgcgccca ctgc 34

<210> SEQ ID NO: 16
<211> LENGTH: 12
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding site
<400> SEQUENCE: 16
tgggcgtatg ct 12

<210> SEQ ID NO: 17
<211> LENGTH: 12
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding site
<400> SEQUENCE: 17
agcatacgcc ca 12

<210> SEQ ID NO: 18
<211> LENGTH: 57
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding site
<400> SEQUENCE: 18
ggaattcctg atcaagatct ggtcacgtcc ataggctagg catgtcaagg ctgtatg 57

<210> SEQ ID NO: 19
<211> LENGTH: 57
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding site
<400> SEQUENCE: 19
gggatccact cgcgaacgcg tccttgtagt gggcgcgccc acatacagcc ttgacat 57

<210> SEQ ID NO: 20
<211> LENGTH: 12
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/29/2002
PATENT APPLICATION: **US/09/636,243A** TIME: 17:48:38

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\05292002\I636243A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24
Seq#:11; Xaa Pos. 2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24